

FORWARD RELAYS

N4100F-2



15.5×11×11.5

c  US E158859 R50080053

Features

- Low coil power consumption.
- High sensitivity.
- Small size, light weight.
- PC board mounting.
- Suitable for automation facilities, telecommunication equipment, household electrical appliance, wireless radio remote control, sound control toys application etc.

Ordering Information

N4100 C H S 3 DC12V A C
 1 2 3 4 5 6 7 8

1 Part number: N4100F-2
 2 Contact arrangement: A:1A C:1C
 3 Coil power consumption: 0.36W (Standard) ;
 B:0.45W (Heavy load) ; H:0.2W (High sensitivity)

4 Enclosure: S: Sealed type:
 5 Contact current: NIL:1A; 2:2A; 3:3A; 5:5A
 6 Coil rated voltage(V): DC:3,5,6,9,12,18,24
 7 Contact material: NIL: AgNi; A:Ag
 8 Bobbin configuration: C:combined bobbin

Contact Data

Contact Arrangement	1A (SPSTNO)	1C (SPDT(B-M))
Contact Material	Ag (Au gold) AgNi(Au gold)	
Contact Rating (resistive)	1A,2A,3A,5A/30VDC,125VAC ;5A/14VDC	2A/250VAC(N4100F-2 only)
Max. Switching Power	150W	625VA
Max. Switching Voltage	30VDC 220VAC	Max. Switching Current: 5A
Contact Resistance or Voltage drop	≤50mΩ	Item4 .12 of IEC 61810-7
Operational life	Electrical	1x10 ⁵ Item4 .30 of IEC 61810-7
	Mechanical	1x10 ⁷ Item 4.31 of IEC 61810-7

CAUTION: 1.For the intermediate current, it only applies to the room temperature.

2.For gold plated version, the min. Switching current and min. switching voltage is 50mA/6VDC; for non gold plated version (standard type),the min. switching current and min. switching voltage is 100mA/6VDC.

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω ± 10%	Pickup voltage VDC(max) (75%of rated voltage)	Release voltage VDC(min) (10% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max						
003-360	3	3.3	25	2.25	0.3	0.36	≤5	≤5
005-360	5	5.5	75	3.75	0.5			
006-360	6	6.6	100	4.50	0.6			
009-360	9	9.9	225	6.75	0.9			
012-360	12	13.2	400	9.00	1.2			
018-360	18	19.8	900	13.5	1.8			
024-360	24	26.5	1600	18.0	2.4			

ART. 04/07457-00

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CAUTION: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.

2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

ELCART DISTRIBUTION SPA via Michelangelo Buonarroti, 46 - 20093 Cologno Monzese (Milano) ITALY
 Tel. +39 02.25117310 - www.elcart.com - tecnico@elcart.it - industria@elcart.it - sicurezza.prodotti@elcart.it

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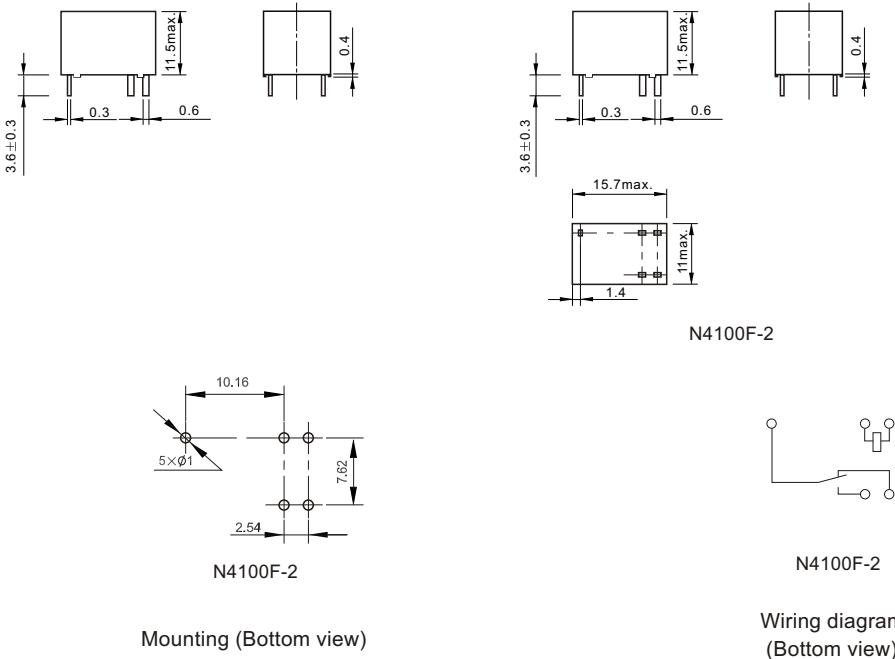
Operation condition

Insulation Resistance	100M Ω min (at 500VDC)	IEC 61810-7
Dielectric Strength		
Between contacts	50Hz 500V	IEC 61810-7
Between contact and coil	50Hz 1000V	IEC 61810-7
Shock resistance	98m/s ² 11ms	IEC 61810-7
Vibration resistance	10Hz~55Hz double amplitude 1.5mm	IEC 61810-7
Terminals strength	5N	IEC 61810-7
Ambient Temperature	-25 °C~85 °C	
Relative Humidity	85%	IEC 61810-7
Mass	3.8g	IEC 61810-7

Safety approvals

Safety approval	UL&CUR	TÜV
Load	5A/125VAC 5A/30VDC 5A/14VDC	N4100F-2: 2A/250VAC 5A/30VDC

Dimensions mm



NOTES 1).Dimensions are in millimeters.
2).Inch equivalents are given for general information only.

Reference Data

